NOT QUE	₹ ■			OBJECTIVE		MADUC: 17		
QUE	₹ ■	You have f	OBJECTIVE			MARKS: 17		
1	444	you think i the circles.	s correct, fill tha	t circle in front of that two or more circles wi	question num Il result in zero	, C and D . The choice which ber. Use marker or pen to fill mark in that question.		
	STION N	0.1	TI .		DGK-1-	29		
	Magnesi	um of chl	orophyll is repl	laced in Haemoglobi	n by:			
2	(A) Calci	uṃ	(B) Potassium	(C) Phosphoro	us (D) Ir	on		
	Vitamin	synthesize	ed by the bacte	eria in the lar	ge intestine	is:		
	(A) Vitan	nin A	(B) Vitamin K	(C) Vitamin C	(D) Vit	amin D		
How much air, lungs can hold when they are fully inflated :								
	(A) 3.5 li	tres	(B) 1.5 litres	(C) 5 litres	(D) 4 litre	S		
4	The unco	ontrolled	production of v	white blood cells res	ult in :			
	(A) Asthr	ma (B) Thalassaemi	ia (C) Oedema	(D) Leuca	emia		
5	A hormo	ne releas	ed by mesophy	Il cells at high temp	erature is :			
			(B) Amino aci		(D) H ₂ SO ₄			
				ng organism is called	l:			
				trol (C) Biologica		D) Organismic control		
1			THE IN. CO.	alkanes found in wax				
				(C) $C_{25} - C_{3}$		$C_{35} - C_{45}$		
- 1				d to the protein par		e is known as :		
- 1	(A) Co-ei		(B) Apoenzym		12000140) Activator		
- 112								
1	Single membrane bound organelle among the following is: (A) Chloroplast (B) Mitochondria (C) Nucleus (D) Lysosome							
			les are caused		, ,			
		naked vir		(B) RNA envelope	ed viruses			
		naked vir		(D) DNA envelope				
101			THE CONTRACTOR OF THE CONTRACT	netic engineering te				
	(A) Plasn		(B) Nucleoid			esosome		
				oids are thought to				
	(A) Brow		(B) Green Alg			oflagellates		
			made up of :	Sac (o) Diatom	(5) 200	80		
	(A) Pecti		3) Chitin	(C) Murein (D) Cellulose			
			e has two wing		Cellulose			
	_		s) Pinus) Picea			
	(A) Cycas			keleton in arthropod				
1) Excretion) Splitting			
	(A) Ecdys) Shurring			
1				uatic are called:	(D) Murian	oods		
	(A) Insec) Arachnids	(C) Crustaceans	(D) Myriap			
				etic pigment among t				
	(A) Chlor	ophyll a	(B) Chloroph	nyii b (C) Chlo	rophyll c	(D) Chlorophyll d 開課問辦題關鍵聯盟組織家員研		

LOGY **XOUP: FIRST**



TIME: 2 HRS 40 MINUTES

MARKS: 68

SECTION - I

QUESTION NO. 2 Write short answers to any Eight (8) of the following DG/L-1-24 16 Why are lipids considered to be high energy compounds? In enzymes, what happen when Non – Protein part attaches and detaches from protein part? ii What is the difference between prosthetic group and co-enzyme? iii Differentiate the Irreversible and Reversible inhibitors. iv What is Histoplasmosis? How does its infection occurs? V How do the predator fungi obtain their food? vi How fertilization in Reptilia differ from Amphibia? vii What is metameric segmentation? In which phylum it is present? viii Why are Echinoderms placed closest to chordates? ix How respiration takes place in amphioxus? X Give molecular formula of chlorophyll "a" and chlorophyll "b". χi Write down importance of ATP. xii

QUESTION NO. 3 Write short answers to any Eight (8) of the following

16

i	Define Tissue level. Give an example each of animal and plant tissue
ii	What do you know about "Integrated Disease Management"?
iii	Why centrifugation is necessary for cell fractionation?
iv	What is endocytosis? Name its types.
v	Kingdom Protista is defined by exclusion. Why?
vi	What do you know about choanoflagellates?
vii	What is the role of diatoms in aquatic ecosystem?
viii	What is the infamous role of water molds in human history?
ix	Why a scuba diver breaths pressurized air from cylinders?
х	Which respiratory pigment has more affinity with oxygen ? Write its function.
хi	Differentiate the open and closed circulatory system. Give an example

What are causes of extracellular Oedema? QUESTION NO. 4 Write short answers to any Six (6) of the following

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COLO	TION NO. 4 VIIIce Short which care
i	What are mumps and measles?
ii	Give economic importance of cyanobacteria.
iii	Compare annulus with stomium.
iv	Why bryophytes are called amphibious plants?
v	Differentiate the microphylls and megaphylls.
vi	What is protonema? Give its structure.
vii	Narrate the terms appendix and appendicitis.
viii	Define Dyspepsia. Give its symptoms.
ix	What are Fluid feeders ? Give two examples.

SECTION-II

ttempt any Three questions from this section	$8 \times 3 = 24$
What are inductive and deductive reasoning? How can a biological problem be solved throug	;h 4
	4.3
What is diving reflex ? Explain in detail.	1+3
What is peptide bond? Discuss primary and secondary structure of protein.	1+3
What are Lichens ? Discuss the ecological importance of Lichens and mycorrhizae.	1+3
Write down structure and functions of endoplasmic reticulum and Golgi complex.	2+2
How would you explain digestion in small intestine ?	3+1
Describe life cycle of Bacteriophages.	4
Describe at least light functions of Blood.	4
Explain nutrition of bacteria.	4
Describe the respiratory chain with the help of figure.	3+1
	What are inductive and deductive reasoning? How can a biological problem be solved throug biological method? What is diving reflex? Explain in detail. What is peptide bond? Discuss primary and secondary structure of protein. What are Lichens? Discuss the ecological importance of Lichens and mycorrhizae. Write down structure and functions of endoplasmic reticulum and Golgi complex. How would you explain digestion in small intestine? Describe life cycle of Bacteriophages. Describe at least light functions of Blood. Explain nutrition of bacteria.

